In the Claims:

Please amend claims 1, 3-5 and 7-22 as follows:

1. (Currently amended) A write and/or erase method for a storage apparatus which writes and/or erases information by irradiating a light beam with respect to a target track on a recording medium, comprising the steps of:

(a) setting a write and/or erase power of the light beam ~~depending on a region of the recording medium where~~ with respect to the target track ~~is located~~; and

(b) ~~changing~~setting a write and/or erase slice level ~~for detecting~~that is used to detect an off-track of the light beam with respect to ~~each track on the recording medium~~the target track depending on the write and/or erase power.

2. (Previously presented) The write and/or erase method as claimed in claim 1, wherein said step (b) decreases the write and/or erase slice level depending on an increase of the write and/or erase power or, increases the write and/or erase slice level depending on a decrease of the write and/or erase power.

3. (Currently amended) The write and/or erase method as claimed in claim 1, wherein said step (b) also ~~change~~sets an off-track detection time constant depending on the write and/or erase power.

4. (Currently amended) The write and/or erase method as claimed in claim 1, wherein said step (b) also ~~changes~~sets a shock detection time constant ~~for detecting~~that is used to detect an external vibration or shock depending on the write and/or erase power.

5. (Currently amended) A write and/or erase method for a storage apparatus which writes and/or erases information by irradiating a light beam with respect to a target track on a recording medium, comprising the steps of:

(a) setting a write and/or erase power of the light beam ~~depending on a region of the recording medium where~~with respect to the target track is located; and

(b) ~~changing~~setting a write and/or erase slice level ~~for detecting~~that is used to detect an external vibration or shock applied on the storage apparatus with respect to ~~each track on the recording medium~~the target track depending on the write and/or erase power.

6. (Previously presented) The write and/or erase method as claimed in claim 5, wherein said step (b) decreases the write and/or erase slice level depending on an increase of the write and/or erase power or, increases the write and/or erase slice level depending on a decrease of the write and/or erase power.

7. (Currently amended) The write and/or erase method as claimed in claim 5, wherein said step (b) also ~~changes~~sets an off-track detection time constant depending on the write and/or erase power.

8. (Currently amended) The write and/or erase method as claimed in claim 5, wherein said step (b) also ~~changes~~sets a shock detection time constant ~~for detecting~~that is used to detect an external vibration or shock depending on the write and/or erase power.

9. (Currently amended) A write and/or erase method for a storage apparatus which writes and/or erases information by irradiating a light beam with respect to a target track on recording medium, comprising the steps of:

(a) setting a write and/or erase power of the light beam ~~depending on a region of the recording medium where~~with respect to the target track ~~is located~~; and

(b) ~~changing~~setting at least one parameter selected from write and/or erase parameters depending on the write and/or erase power, said write and/or erase parameters including a write and/or erase slice level ~~for detecting~~that is used to detect an off-track of the light beam with respect to ~~each track on the recording medium~~the target track, an off-track detection time constant, a write and/or erase slice level ~~for detecting~~that is used to detect an external vibration or shock applied on the storage

apparatus, and a shock detection time constant ~~for detecting~~that is used to detect the external vibration or shock.

10. (Currently amended) The write and/or erase method as claimed in claim 9, wherein a dependency with which the write parameters are ~~changed~~set with respect to the write power is different from a dependency with which the erase parameters are ~~changed~~set with respect to the erase power.

11. (Previously presented) The write and/or erase method as claimed in claim 9, further comprising the step of:

(c) judging a type of the recording medium,

said step (b) being carried out when said step (c) judges that the recording medium is a high-density recording medium.

12. (Currently amended) A storage apparatus which writes and/or erases information by irradiating a light beam with respect to a target track on a recording medium, comprising:

a first setting section configured to set a write and/or erase power of the light beam ~~depending on a region of the recording medium where~~with respect to the target track ~~is located~~; and

a ~~changing~~second setting section configured to ~~change~~set a write and/or

erase slice level ~~for detecting~~that is used to detect an off-track of the light beam with respect to ~~each track on the recording medium~~the target track depending on the write and/or erase power.

13. (Currently amended) The storage apparatus as claimed in claim 12, wherein said ~~changing~~second setting section decreases the write and/or erase slice level depending on an increase of the write and/or erase power or, increases the write and/or erase slice level depending on a decrease of the write and/or erase power.

14. (Currently amended) The storage apparatus as claimed in claim 12, wherein said ~~changing~~second setting section also ~~change~~sets an off-track detection time constant depending on the write and/or erase power.

15. (Currently amended) The storage apparatus as claimed in claim 12, wherein said ~~changing~~second setting section also ~~change~~sets a shock detection time constant ~~for detecting~~that is used to detect an external vibration or shock depending on the write and/or erase power.

16. (Currently amended) A storage apparatus which writes and/or erases information by irradiating a light beam with respect to a target track on a recording medium, comprising:

a first setting section configured to set a write and/or erase power of the light beam ~~depending on a region of the recording medium where~~with respect to the target track ~~is located~~; and

a ~~changing~~second setting section configured to ~~change~~set a write and/or erase slice level ~~for detecting~~that is used to detect an external vibration or shock applied on the storage apparatus with respect to ~~each track on the recording medium~~the target track depending on the write and/or erase power.

17. (Currently amended) The storage apparatus as claimed in claim 16, wherein said ~~changing~~second setting section decreases the write and/or erase slice level depending on an increase of the write and/or erase power or, increases the write and/or erase slice level depending on a decrease of the write and/or erase power.

18. (Currently amended) The storage apparatus as claimed in claim 16, wherein said ~~changing~~second setting section also ~~change~~sets an off-track detection time constant depending on the write and/or erase power.

19. (Currently amended) The storage apparatus as claimed in claim 16, wherein said ~~changing~~second setting section also ~~change~~sets a shock detection time constant ~~for detecting~~that is used to detect an external vibration or shock depending on the write and/or erase power.

20. (Currently amended) A storage apparatus which writes and/or erases information by irradiating a light beam with respect to a target track on a recording medium, comprising:

a first setting section configured to set a write and/or erase power of the light beam ~~depending on a region of the recording medium where~~with respect to the target track ~~is located~~; and

a ~~changing~~second setting section configured to ~~change~~set at least one parameter selected from write and/or erase parameters depending on the write and/or erase power, said write and/or erase parameters including a write and/or erase slice level ~~for detecting~~that is used to detect an off-track of the light beam with respect to a track on the recording medium, an off-track detection time constant, a write and/or erase slice level ~~for detecting~~that is used to detect an external vibration or shock applied on the storage apparatus, and a shock detection time constant ~~for detecting~~that is used to detect the external vibration or shock.

21. (Currently amended) The storage apparatus as claimed in claim 20, wherein a dependency with which the write parameters are ~~changed~~set with respect to the write power is different from a dependency with which the erase parameters are ~~changed~~set with respect to the erase power.

22. (Currently amended) The storage apparatus as claimed in claim 20, further comprising:

a judging section configured to judge a type of the recording medium,

wherein said ~~changing~~second setting section ~~change~~sets said at least one parameter when said judging section judges that the recording medium is a high-density recording medium.